



"metadata file" and "metadata object"

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MODIS Land-Surface Temperature products users" guide - group of 2 »

Z Wan - Electronic document: <http://www.icess.ucsb.edu/modis/> ..., 2003 - icess.ucsb.edu

... A separate file containing metadata will accompany data products ordered from a DAAC. That **metadata file** will have a .met extension and is written in PVL. ...

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Trellis-SDP: A Simple Data-Parallel Programming Interface - group of 4 »

M Ding, P Lu - 3rd Workshop on Compile and Runtime Techniques for Parallel ..., 2004 - ieeexplore.ieee.org

... Note that the first parameter to `trellis gather()` is a **metadata object** that has already been bound to the **metadata file**. Therefore ...

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Design considerations for minimising the inappropriate use of spatial data in a GIS

GM Byrom, RT Pascoe - The 11th Annual Colloquium of the Spatial Information ..., 1999 - divcom.otago.ac.nz

... and Phrases: accuracy, precision, consistency, inappropriate, suitable, **metadata, object-** oriented. ... For example, a separate **metadata file** can be used to store ...

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Preservation Metadata Initiatives: Practicality, Sustainability, and Interoperability - group of 3 »

M Day - ukoln.ac.uk

... METS header, 'descriptive metadata,' 'administrative **metadata**,' 'file section,' 'structural ... Archival Description (EAD), the **Metadata Object** Description Schema ...

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Distributing and Synchronizing Heterogeneous Metadata for the Management of Geospatial Information ... - group of 3 »

EL Westbrook - siderean.com

... The **Metadata Object** Description Schema, MODS is a subset of MARC 21 and one of ... file, since the data file location is maintained within the CUGIR **metadata file**. ...

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Integrating Digital Libraries and Electronic Publishing in the DART Project - group of 3 »

G Dahlquist, B Hoffman, D Millman - Proceedings of the 5th ACM/IEEE-CS joint conference on ..., 2005 - portal.acm.org

... research, and raise specific issues with regard to **metadata, object** referral, rights ... those of access control, as well as specific **metadata, file-** types, and ...

[Web Search](#)

AN ISO 19115 DISCOVERY METADATA PROFILE FOR SPATIAL AND NON SPATIAL ENVIRONMENTAL DATASETS - group of 2 »

2004

E Peccol - ec-gis.org

... composedOf 1..* **Metadata object** -describes * -isDescribed ... Metadata author Metadata language **Metadata file** identifier Metadata standard version Use constraints ...

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PGSI-GSEG-EOPG-FS-05-0001

S Mbaye, M Moucha, G Consultant, VD Spaventa, D ... - wgiss.ceos.org

Page 1. PGSI-GSEG-EOPG-FS-05-0001 Stephane Mbaye Mathias Moucha GAEL Consultant

GAEL Consultant Valter D. Spaventa Davide Castellazzi Alessio Bertolini ...

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Long-term Metadata Management & Quality Assurance in Digital Curation - group of 2 »

ABS Shaon - 2005 - sse.reading.ac.uk

... 107 C7: XML Schema.....108 C8: **Metadata Object** Facility (MOF ...

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Specification - group of 10 »

TPCBD Standard - prov.vic.gov.au

Page 1. VERS Metadata Scheme. PROS 99/007 (Version 2) Specification 2 Draft 2 Public

Record Office Standard PROS 99/007 (Version 2) Specification Page 2. ...

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Library Release Form

M Ding, A Edmonton - cs.ualberta.ca

... 23 4.2 The **Metadata File** The location and distribution of the data is abstracted by the **metadata file** shown in Figure 4.4.

[View as HTML](#) - [Web Search](#)

Management of Electronic Records - group of 5 »

PRO Standard - prov.vic.gov.au

Page 1. Public Record Office Standard PROS 99/007 Public Record Office Victoria

Management of Electronic Records Version 1.0 April 2000 Page 2. ...

[Web Search](#)

Specifications 99/007 - group of 2 »

P Reco, PRO Standard - prov.vic.gov.au

Page 1. VERS Metadata Scheme PROS 99/007 (Version 2) Specification 2 Draft Public

Reco Advice to V PROA 99/0 Specifications 99/007 Public Record Office Standard ...

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Collaboration of digital libraries

M Shustitskiy - wwwai.wu-wien.ac.at

Page 1. DIPLOMARBEIT Collaboration of digital libraries ausgeführt am Institut

für Informationsverarbeitung und -wirtschaft Abteilung ...

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 Terms used **tagged element**

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1 [Haskell and XML: generic combinators or type-based translation?](#)



Malcolm Wallace, Colin Runciman

 September 1999 **ACM SIGPLAN Notices , Proceedings of the fourth ACM SIGPLAN international conference on Functional programming ICFP '99**, Volume 34 Issue 9

Publisher: ACM Press

Full text available: pdf(1.48 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present two complementary approaches to writing XML document-processing applications in a functional language. In the first approach, the generic tree structure of XML documents is used as the basis for the design of a library of combinators for generic processing: selection, generation, and transformation of XML trees. The second approach is to use a type-translation framework for treating XML document type definitions (DTDs) as declarations of algebraic data types, and a derivation of the cor ...

2 [Exact distribution of individual displacements in linear probing hashing](#)



Alfredo Viola

 October 2005 **ACM Transactions on Algorithms (TALG)**, Volume 1 Issue 2

Publisher: ACM Press

Full text available: pdf(233.79 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper studies the distribution of individual displacements for the standard and the Robin Hood linear probing hashing algorithms. When the a table of size m has n elements, the distribution of the search cost of a random element is studied for both algorithms. Specifically, exact distributions for fixed m and n are found as well as when the table is α -full, and α strictly smaller than 1. Moreover, for full tables, limit laws for both algorithms are de ...

Keywords: Linear probing, distributional analysis, individual displacements

3 [A classifier for semi-structured documents](#)



Jeonghee Yi, Neel Sundaresan

 August 2000 **Proceedings of the sixth ACM SIGKDD international conference on Knowledge discovery and data mining**

Publisher: ACM Press

Full text available: pdf(225.53 KB)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: classification, semi-structured document, structured vector

4 MEMBERS - a Microprogrammed Experimental Machine with a Basic Executive for Real-time Systems



J. K. Broadbent, G. F. Coulouris

May 1973 **ACM SIGPLAN Notices , Proceedings of the meeting on SIGPLAN/SIGMICRO interface**, Volume 9 Issue 8

Publisher: ACM Press

Full text available: pdf(441.29 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The aims and methods of a project investigating the direct interpretation of a high level language and operating system by microprogram on a small machine are outlined. Some features of the language specifically designed for interpretation by microprogram are described in the context of other related work. Some factors involved in the use of microprogramming as a system development method are discussed.

5 Dynamization of geometric data structures



O. Fries, K. Mehlhorn, St. Näher

June 1985 **Proceedings of the first annual symposium on Computational geometry**

Publisher: ACM Press

Full text available: pdf(705.73 KB) Additional Information: [full citation](#), [citations](#), [index terms](#)

6 The other formalization of law: SGML modelling and tagging



Daniel Poulin, Guy Huard, Alain Lavoie

June 1997 **Proceedings of the 6th international conference on Artificial intelligence and law**

Publisher: ACM Press

Full text available: pdf(1.03 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: SGML, information searching, intelligent law information systems, law information systems

7 Generic validation of structural content with parametric modules



Tyng-Ruey Chuang

October 2001 **ACM SIGPLAN Notices , Proceedings of the sixth ACM SIGPLAN international conference on Functional programming ICFP '01**, Volume 36 Issue 10

Publisher: ACM Press

Full text available: pdf(226.36 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We demonstrate a natural mapping from XML element types to ML module expressions. The mapping is inductive and definitions of common XML operations can be derived as the module expressions are composed. We show how to derive, in a generic way, the validation function, which checks an XML document for conformance to its DTD (Document Type Definition). One can view validation as assigning ML types to XML elements and the validation procedure a pre-requisite for typeful XML programming in ML. Our m ...

Keywords: ML, XML, fixed points, functional programming, modules and interfaces, validation

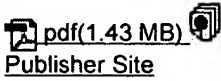
8 Mixed-initiative development of language processing systems

David Day, John Aberdeen, Lynette Hirschman, Robyn Kozierok, Patricia Robinson, Marc Vilain

March 1997 **Proceedings of the fifth conference on Applied natural language processing**

Publisher: Morgan Kaufmann Publishers Inc.

Full text available:



Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)
[Publisher Site](#)

Historically, tailoring language processing systems to specific domains and languages for which they were not originally built has required a great deal of effort. Recent advances in corpus-based manual and automatic training methods have shown promise in reducing the time and cost of this porting process. These developments have focused even greater attention on the bottleneck of acquiring reliable, manually tagged training data. This paper describes a new set of integrated tools, collectively ...

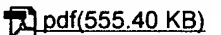
9 Detecting errors within a corpus using anomaly detection

Eleazar Eskin

April 2000 **Proceedings of the first conference on North American chapter of the Association for Computational Linguistics**

Publisher: Morgan Kaufmann Publishers Inc.

Full text available:



Additional Information: [full citation](#), [abstract](#), [references](#)

We present a method for automatically detecting errors in a manually marked corpus using anomaly detection. Anomaly detection is a method for determining which elements of a large data set do not conform to the whole. This method fits a probability distribution over the data and applies a statistical test to detect anomalous elements. In the corpus error detection problem, anomalous elements are typically marking errors. We present the results of applying this method to the tagged portion of the ...

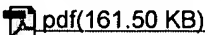
10 Generating spreadsheet-like tools from strong attribute grammars

João Saraiva, Doaitse Swierstra

September 2003 **Proceedings of the second international conference on Generative programming and component engineering GPCE '03**

Publisher: Springer-Verlag New York, Inc.

Full text available:



Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper presents techniques for the formal specification and efficient incremental implementation of spreadsheet-like tools. The spreadsheets are specified by strong attribute grammars. In this style of attribute grammar programming every single inductive computation is expressed within the attribute grammar formalism. Well-known attribute grammar techniques are used to reason about such grammars. For example, ordered scheduling algorithms can be used to statically guarantee termination of th ...

11 A fifth generation approach to intelligent information retrieval

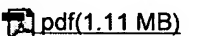


Gian Piero Zarri

January 1984 **Proceedings of the 1984 annual conference of the ACM on The fifth generation challenge**

Publisher: ACM Press

Full text available:



Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper briefly examines certain of the Intelligent Information Retrieval (IIR) mechanisms used in the RESEDA system, a system equipped with "reasoning" capabilities in the field of complex biographical data management. Particular attention is paid to a description of the different "levels" of inference procedure which can be executed by the system. The intention is to show that the technical solutions to IIR problems implemented in RESEDA are of an equivalent lev ...

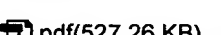
12 SALOGS-IV-A program to perform logic simulation and fault diagnosis

Glenn R. Case, Jerry D. Stauffer

June 1978 **Proceedings of the 15th conference on Design automation**

Publisher: IEEE Press

Full text available:



Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index](#)

terms

The simulation algorithm for multiple logic levels modeling considerations and the network and simulation languages used in SALOGS, Version IV, are discussed. Also presented is the method for fault diagnosis and test sequence generation and the philosophy used in the code development.

13 Some remarks about the inference techniques of RESEDA, an "intelligent" information retrieval system



Gian Piero Zarri

July 1984 **Proceedings of the 7th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: British Computer Society

Full text available: pdf(1.03 MB) Additional Information: [full citation](#), [abstract](#), [references](#)

The aim of this paper is to provide some details about the inference procedures of RESEDA, an "intelligent" Information Retrieval system using techniques borrowed from Knowledge Engineering. A RESEDA prototype has been operational for over a year : amongst its characteristics are a "case grammar" like knowledge representation language, intensive use of temporal data, use of the notion of "type", automatic generation of logical links, etc. First, the paper makes it clear what is meant in RESEDA b ...

14 Early user---system interaction for database selection in massive domain-specific online environments



Jack G. Conrad, Joanne R. S. Claussen

January 2003 **ACM Transactions on Information Systems (TOIS)**, Volume 21 Issue 1

Publisher: ACM Press

Full text available: pdf(845.54 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The continued growth of very large data environments such as Westlaw and Dialog, in addition to the World Wide Web, increases the importance of effective and efficient database selection and searching. Current research focuses largely on completely autonomous and automatic selection, searching, and results merging in distributed environments. This fully automatic approach has significant deficiencies, including reliance upon thresholds below which databases with relevant documents are not search ...

Keywords: Database selection, metadata for retrieval, structuring information to aid search and navigation, user interaction

15 XML query processing: Query processing of streamed XML data



Leonidas Fegaras, David Levine, Sujoe Bose, Vamsi Chaluvi

November 2002 **Proceedings of the eleventh international conference on Information and knowledge management**

Publisher: ACM Press

Full text available: pdf(246.55 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We are addressing the efficient processing of continuous XML streams, in which the server broadcasts XML data to multiple clients concurrently through a multicast data stream, while each client is fully responsible for processing the stream. In our framework, a server may disseminate XML fragments from multiple documents in the same stream, can repeat or replace fragments, and can introduce new fragments or delete invalid ones. A client uses a light-weight database based on our proposed XML alge ...

Keywords: XML, databases, query optimization, query processing

16 Developing and integrating enterprise components and services: Enterprise application integration and complex adaptive systems



Jeff Sutherland, Willem-Jan van den Heuvel



October 2002 **Communications of the ACM**, Volume 45 Issue 10

Publisher: ACM Press

Full text available: pdf(127.83 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)
 html(47.72 KB)

Could system integration and cooperation be improved with agentified enterprise components?

17 Artificial intelligence approaches to software engineering: Domain analysis of object-oriented frameworks in FrameDoc



Carlos J. Fernández-Conde, Pedro A. González-Calero

July 2002 **Proceedings of the 14th international conference on Software engineering and knowledge engineering SEKE '02**

Publisher: ACM Press

Full text available: pdf(112.16 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Frameworks are complex, and one of the biggest problems with most frameworks is just learning how to use them. In order to achieve the highest degree of reusability and extensibility, frameworks are built as sophisticated object-oriented artifacts and, therefore, it is not easy to understand the design concepts, commitments and decisions involved in the solutions. Within the overall goal of FrameDoc to alleviate the aforementioned learning effort by means of explicit knowledge representation and ...

18 Posters and Short Papers: Visual query tools for uncertain spatio-temporal data



Katherine Malan, Gary Marsden, Edwin Blake

October 2001 **Proceedings of the ninth ACM international conference on Multimedia**

Publisher: ACM Press

Full text available: pdf(1.67 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Some multimedia archives contain data which have vague locations in time and space. By this we mean that, although there is some idea of when and where the entity is located, the precise information is unknown. In this paper, we present a novel approach to displaying and querying such uncertain data. We use the concepts of dynamic queries, add to this a 2D query tool for performing spatial queries and enable Boolean combinations of queries. We have implemented these ideas in a pilot system for q ...

Keywords: cultural archive, dynamic queries, graphical user interfaces, query preview, uncertain data, visual languages

19 Document quality indicators and corpus editions



Jeffrey A. Rydberg-Cox, Anne Mahoney, Gregory R. Crane

January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries**

Publisher: ACM Press

Full text available: pdf(115.03 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Corpus editions can only be useful to scholars when users know what to expect of the texts. We argue for text quality indicators, both general and domain-specific.

Keywords: automatic linking, browsing, collection development, document design, reading

20 Web-based scholarship: annotating the digital library



Bruce Rosenstock, Michael Gertz

January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries**

Publisher: ACM Press

Full text available:  [pdf\(83.52 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The DL offers the possibility of collaborative scholarship, but the appropriate tools must be integrated within the DL to serve this purpose. We propose a Web-based tool to guide controlled data annotations that link items in the DL to a domain-specific ontology and which provide an effective means to query a data collection in an abstract and uniform fashion.

Keywords: data annotations, folk literature DL

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Terms used **tagged element**

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21 [A forward-looking method of Cache memory control](#)



J. K. Iliffe

September 1987 **ACM SIGARCH Computer Architecture News**, Volume 15 Issue 4

Publisher: ACM Press

Full text available: pdf(373.45 KB) Additional Information: [full citation](#), [index terms](#)

22 [A knowledge-based method for inferring semantic concepts from visual models of system behavior](#)



Kevin L. Mills, Hassan Gomaa

July 2000 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 9 Issue 3

Publisher: ACM Press

Full text available: pdf(1.26 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Software designers use visual models, such as data flow/control flow diagrams or object collaboration diagrams, to express system behavior in a form that can be understood easily by users and by programmers, and from which designers can generate a software architecture. The research described in this paper is motivated by a desire to provide an automated designer's assistant that can generate software architectures for concurrent systems directly from behavioral models expressed visually as ...

Keywords: concept classification systems, concurrent systems, knowledge-based software engineering, semantic data modeling, software design methods, visual modeling

23 [Programming World Wide Web pages in scheme](#)



Kurt Nørmark

December 1999 **ACM SIGPLAN Notices**, Volume 34 Issue 12

Publisher: ACM Press

Full text available: pdf(886.23 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

In this paper we will argue that pages on the World Wide Web can be made directly as programs in a functional programming language instead of through HTML or an HTML-based authoring tool. We use the Scheme programming language from the Lisp family for WWW page production. It is concluded that a Lisp language is an attractive direct vehicle for authoring of Internet material in the sense that the source of a WWW document becomes a Lisp program. Abstraction from details in the underlying markup language ...

24

[A Computational Approach to Grammatical Coding of English Words](#)





Sheldon Klein, Robert F. Simmons
July 1963 **Journal of the ACM (JACM)**, Volume 10 Issue 3

Publisher: ACM Press

Full text available: [pdf\(798.91 KB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

25 Design and technology for Collaborage: collaborative collages of information on physical walls



Thomas P. Moran, Eric Saund, William Van Melle, Anuj U. Gujar, Kenneth P. Fishkin, Beverly L. Harrison

November 1999 **Proceedings of the 12th annual ACM symposium on User interface software and technology**

Publisher: ACM Press

Full text available: [pdf\(1.28 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A Collaborage is a collaborative collage of physically represented information on a surface that is connected with electronic information, such as a physical In/Out board connected to a people-locator database. The physical surface (board) contains items that are tracked by camera and computer vision technology. Events on the board trigger electronic services. This paper motivates this concept, presents three different applications, describes the system architecture and com ...

Keywords: collaboration, physical-virtual, roomware, tangible UI

26 Constraint cascading style sheets for the Web



Greg J. Badros, Alan Borning, Kim Marriott, Peter Stuckey

November 1999 **Proceedings of the 12th annual ACM symposium on User interface software and technology**

Publisher: ACM Press

Full text available: [pdf\(121.80 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Cascading Style Sheets have been introduced by the W3C as a mechanism for controlling the appearance of HTML documents. In this paper, we demonstrate how constraints provide a powerful unifying formalism for declaratively understanding and specifying style sheets for web documents. With constraints we can naturally and declaratively specify complex behavior such as inheritance of properties and cascading of conflicting style rules. We give a detailed description of a constraint-based style ...

Keywords: CCSS, CSS, Cassowary, HTML, cascading style sheets, constraints, page layout, style sheets, world wide web

27 Information extraction task: Tasks, domains, and languages

Boyan Onyshkevych, Mary Ellen Okurowski, Lynn Carlson

August 1993 **Proceedings of the 5th conference on Message understanding MUC5 '93**

Publisher: Association for Computational Linguistics

Full text available: [pdf\(686.13 KB\)](#)

Additional Information: [full citation](#), [abstract](#)

The Fifth Message Understanding Conference (MUC-5) involved the same tasks, domains and languages as the information extraction portion of the ARPA TIPSTER program. These tasks center on automatically filling object-oriented data structures, called *templates*, with information extracted from free text in news stories (for discussion of templates and objects, see "Template Design for Information Extraction" in this volume). For each task, a generic type of information that is specified for ...

28

Appication models: Client-system collaboration for legal corpus selection in an online

production environment

Jack G. Conrad, Joanne R. S. Claussen

June 2003 **Proceedings of the 9th international conference on Artificial intelligence and law****Publisher:** ACM PressFull text available: pdf(239.10 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

The continued growth of very large data environments such as Westlaw and Dialog, in addition to the World Wide Web, increases the importance of effective and efficient database selection and searching. Current research focuses largely on completely autonomous and automatic selection, searching, and results merging in distributed environments. This fully automatic approach has significant deficiencies, including reliance upon thresholds below which databases with relevant documents are not search ...

Keywords: database selection, query categorization, user interaction

29 Robust, finite-state parsing for spoken language understanding

Edward C. Kaiser

June 1999 **Proceedings of the 37th annual meeting of the Association for Computational Linguistics on Computational Linguistics****Publisher:** Association for Computational LinguisticsFull text available: pdf(779.46 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Human understanding of spoken language appears to integrate the use of contextual expectations with acoustic level perception in a tightly-coupled, sequential fashion. Yet computer speech understanding systems typically pass the transcript produced by a speech recognizer into a natural language parser with no integration of acoustic and grammatical constraints. One reason for this is the complexity of implementing that integration. To address this issue we have created a robust, semantic pars ...

30 Service composition: Dynamic service composition using santic information

Keita Fujii, Tatsuya Suda

November 2004 **Proceedings of the 2nd international conference on Service oriented computing****Publisher:** ACM PressFull text available: pdf(517.52 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Dynamic composition of complex services from primitive components brings flexibility and adaptability to future applications. By properly selecting and combining components on demand, applications would adapt to individual user preference and would consider available context information. Existing service composition systems often require users to request services in strict syntax formats, such as data types, service templates or logic formulas. This requirement may become an obstacle for end-users to ...

Keywords: CoRE, CoSMoS, SeGSeC, component model, dynamic service composition, santic graph

31 Proceedings of a conference on Application Development Systems, Santa Clara, California, March 10-11, 1980: USAGE: generating interactive application programs from grammatical descriptions

O. P. Bertrand, J. J. Daudenarde

January 1980 **ACM SIGMIS Database**, Volume 11 Issue 3**Publisher:** ACM PressFull text available: pdf(606.14 KB) Additional Information: [full citation](#), [references](#)

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 Terms used **universal label**

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1 [Simulation of a finished goods allocation system](#)



Edward F. Stafford, Bernard J. Schroer

 December 1988 **Proceedings of the 20th conference on Winter simulation**

Publisher: ACM Press

Full text available: pdf(1.17 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes an extensive project conducted to provide an independent assessment of the proposed major change in the way an electronics assembly firm would manage the production of their major product—modems. Whereas the current system handled, manufactured, and tested units in batches that corresponded to shipping orders, the proposed system would process individual product units singly, as in a hybrid flow shop. Microcomputer-based simulation models were developed, tested, a ...

2 [Interactive design language: A unified approach to hardware simulation, synthesis and documentation](#)

L. I. Maissel, D. L. Ostapko

 January 1982 **Proceedings of the 19th conference on Design automation**

Publisher: IEEE Press

Full text available: pdf(797.73 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

IDL is a hardware design language in use in the VLSI environment. It incorporates a significant number of high-level features such as groups, subroutines, and labels and is particularly well adapted to dealing with parallelism at the hardware level. In addition to being human intelligible (and therefore appropriate as a documentation medium), IDL code can be used to generate 2-level logic which, under the IDL system, can be manipulated in a number of ways, including product term factoring a ...

3 [Research track: Cross-training: learning probabilistic mappings between topics](#)



Sunita Sarawagi, Soumen Chakrabarti, Shantanu Godbole

 August 2003 **Proceedings of the ninth ACM SIGKDD international conference on Knowledge discovery and data mining**

Publisher: ACM Press

Full text available: pdf(331.75 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

Classification is a well-established operation in text mining. Given a set of labels A and a set D_A of training documents tagged with these labels, a classifier learns to assign labels to unlabeled test documents. Suppose we also had available a different set of labels B , together with a set of documents D_B marked with labels from B . If A and B have some semantic overlap, can the availability of D_B help us b ...

Keywords: EM, document classification, semi-supervised multi-task learning, support vector machines

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- 1 [Design and technology for Collaborage: collaborative collages of information on physical walls](#)



Thomas P. Moran, Eric Saund, William Van Melle, Anuj U. Gujar, Kenneth P. Fishkin, Beverly L. Harrison

 November 1999 **Proceedings of the 12th annual ACM symposium on User interface software and technology**
Publisher: ACM Press

 Full text available: [pdf\(1.28 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

A Collaborage is a collaborative collage of physically represented information on a surface that is connected with electronic information, such as a physical In/Out board connected to a people-locator database. The physical surface (board) contains items that are tracked by camera and computer vision technology. Events on the board trigger electronic services. This paper motivates this concept, presents three different applications, describes the system architecture and com ...

Keywords: collaboration, physical-virtual, roomware, tangible UI

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